

TAS 3081A-14

T.H. 51

T.H. 36 TO HAMLINE AVE.

S.P. 6216-13

AUGUST 1968

OFFICE OF
TRANSPORTATION SYSTEM PLANNING

MINNESOTA HIGHWAY DEPARTMENT

DEPARTMENT HIGHWAY

Office Memorandum

TO : Paul G. Velz
Road Design Engineer

DATE: August 29, 1968

FROM : Leon F. Bergmann, Acting Chief
Traffic Analysis Section

SUBJECT: TH 51; TH 36 to Hamline Avenue;
SP 6216-13
TAS 3081 A-14

The Traffic Analysis Section transmits this report in response to R. M. Hill's January 23, 1968 request for the 1990 ADT and HCADT for the project location as shown on the map on page 2.

For each segment numbered on the map on page 3, the following data are tabulated on pages 4-6:

- a) Total ADT
- b) Vehicle Type Distribution
- c) Total Heavy Commercial ADT

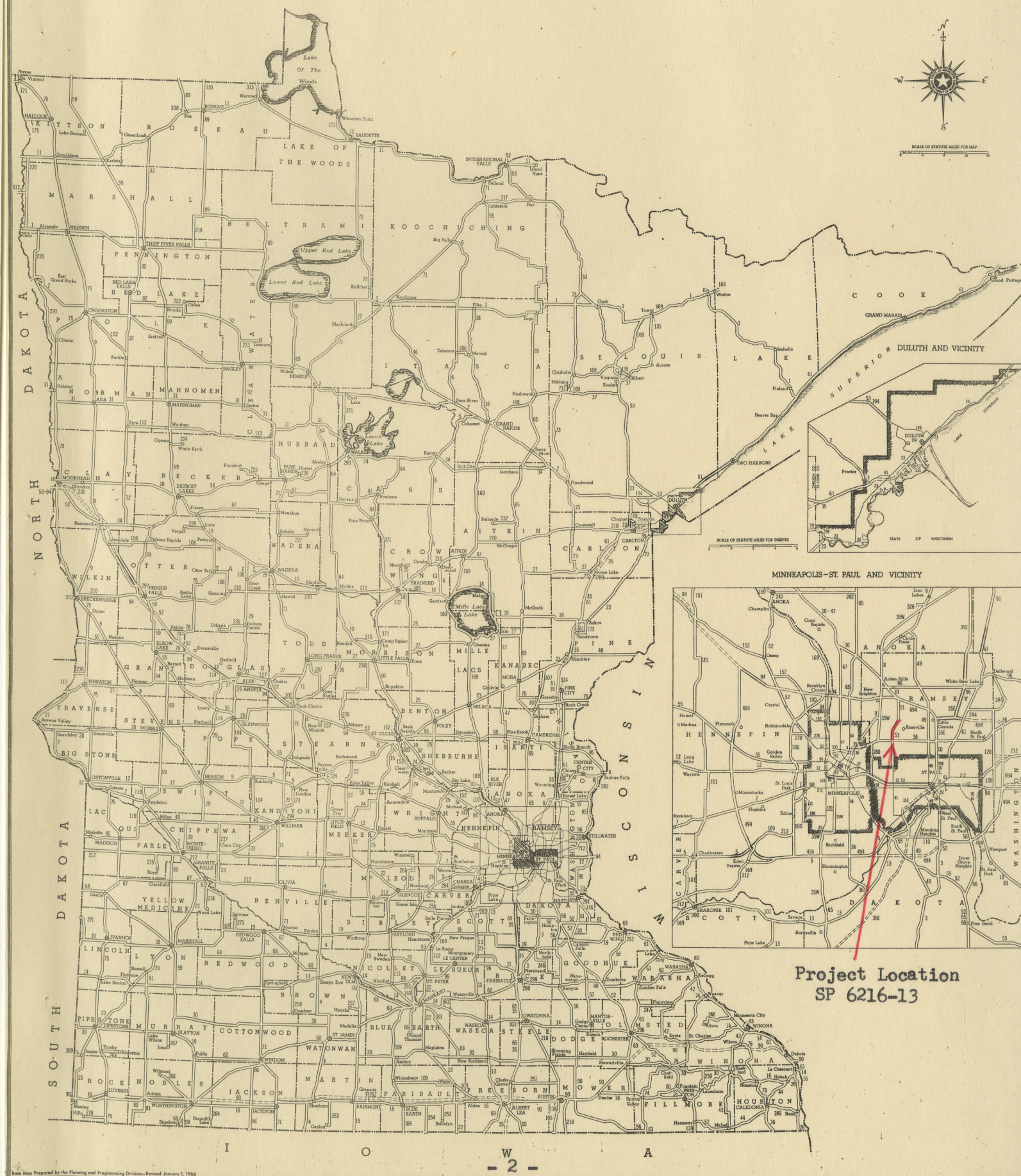
Segment 1 has the highest 1990 ADT for any section of the project. This segment has an estimated 1966 ADT of 27,800

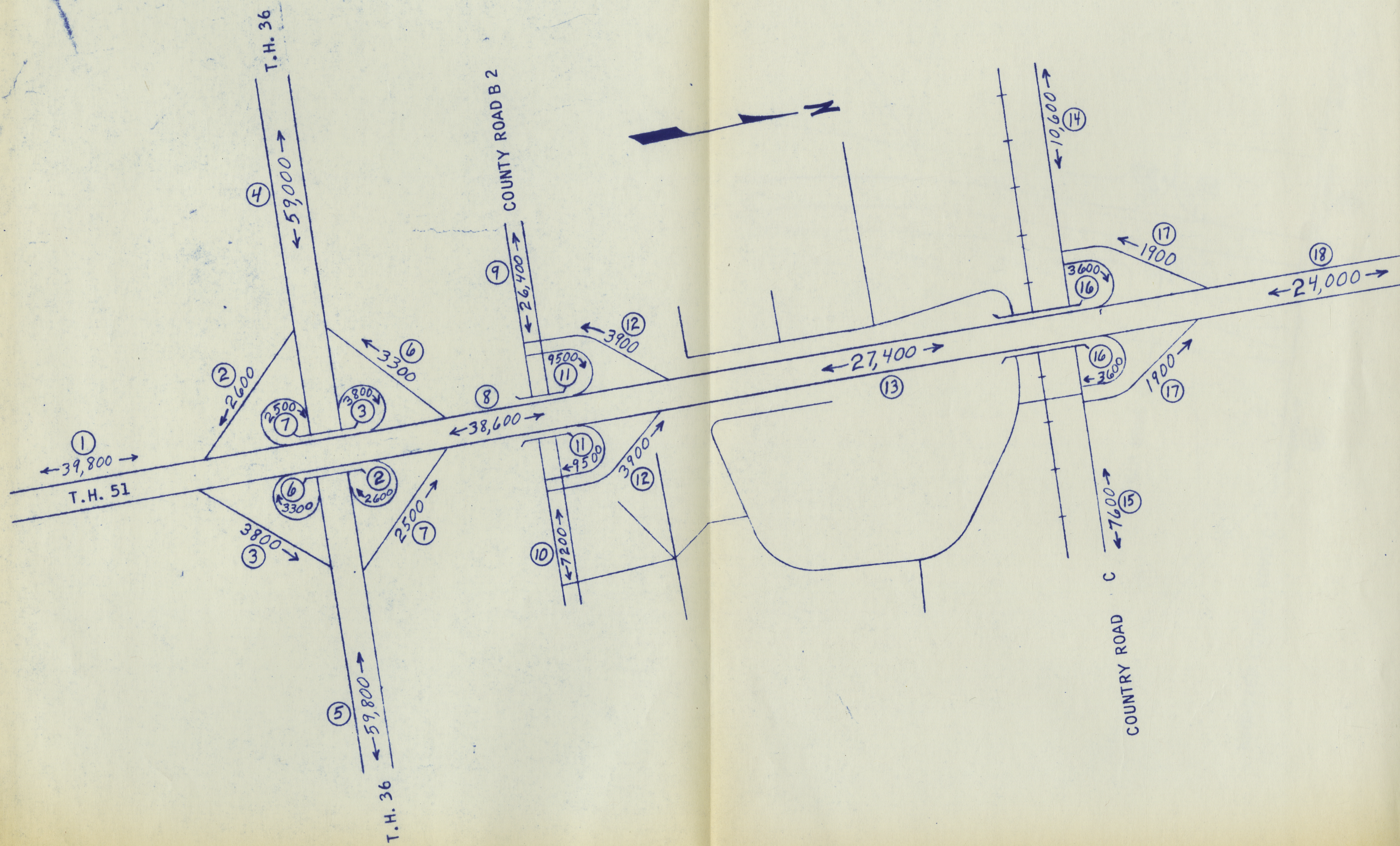
The basic data, method and assumptions are on page 7.

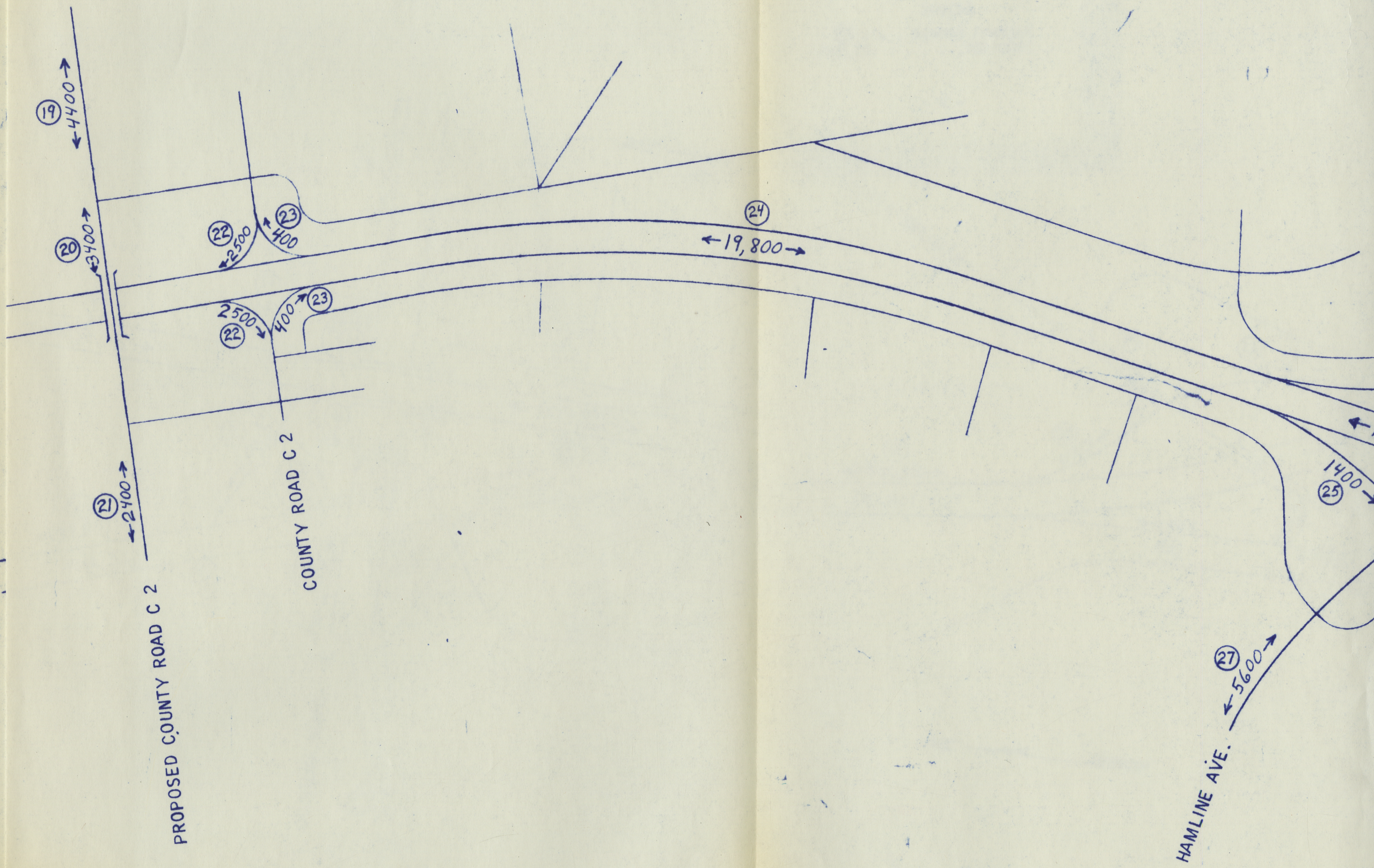
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Leon F. Bergmann

STATE OF MINNESOTA
DEPARTMENT OF HIGHWAYS
WORK MAP







PROPOSED COUNTY ROAD C 2

COUNTY ROAD C 2

HAMLINE AVE.

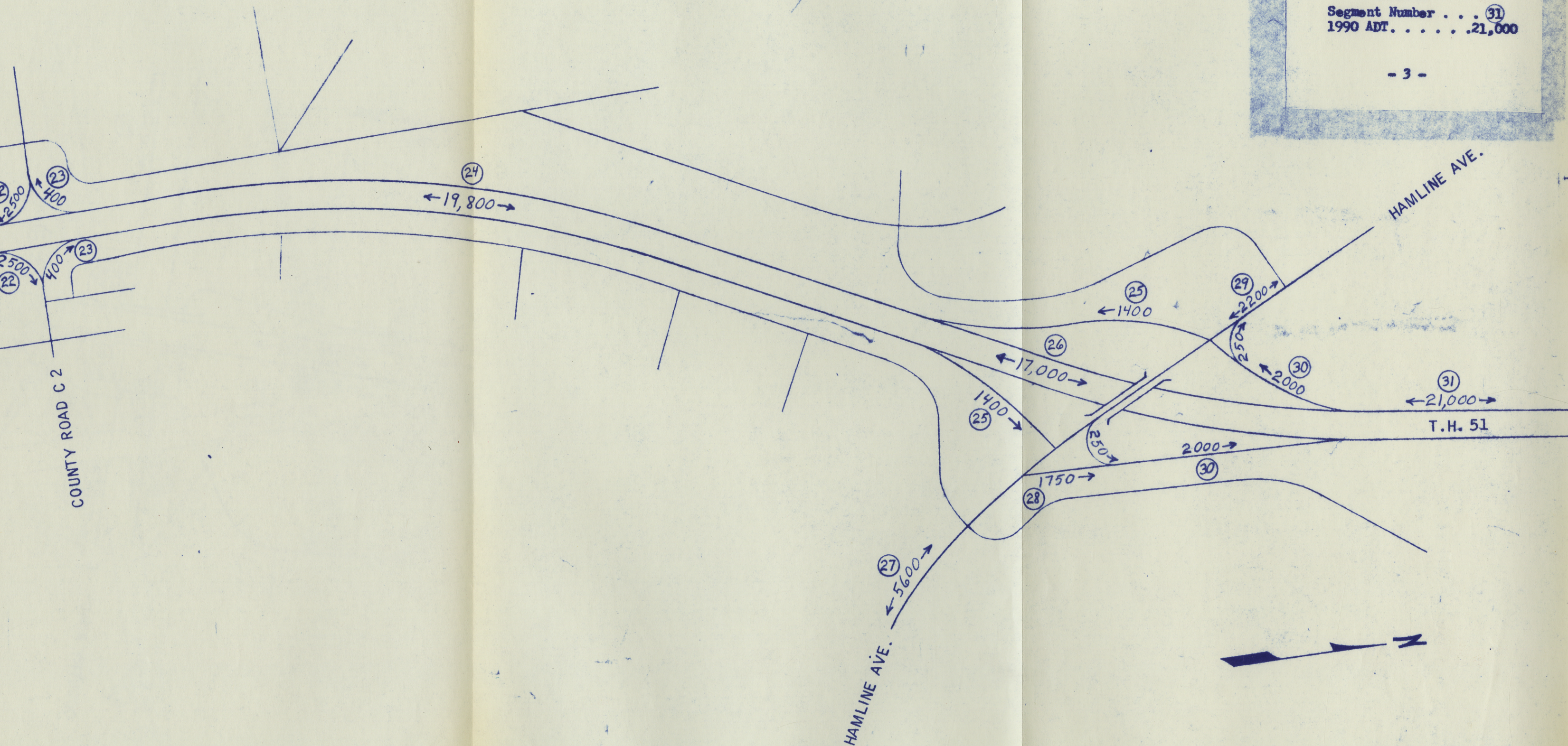
TAS 3081A-14
August, 1968

TH 51
SP 6216-13
TH 36 To Hamline Avenue

Legend

Segment Number . . . (31)
1990 ADT. 21,000

- 3 -



TRAFFIC ESTIMATE DATA

DESIGN YEAR 1990 PART 1 OF 3

FOR

T.H. 51 S.P. 6216-13 LENGTH - MILES
COUNTY Ramsey LOCATION TH 36 to Hamline Avenue

BASED ON

1990 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 1 THROUGH 11 AS
DEFINED ON ATTACHED INDEX MAP

VEHICLE # TYPE	SEGMENT NUMBER										
	1	2	3	4	5	6	7	8	9	10	11
0	37742	2464	3637	55322	56254	3085	2378	36466	25004	6796	8990
1	864	57	62	1298	1264	76	54	886	970	226	313
2	215	14	17	412	386	26	10	225	116	48	56
3	105	6	9	158	148	14	6	115	40	12	18
4	130	9	10	448	412	27	8	162	56	22	26
5	535	36	46	1064	1036	56	32	547	110	62	58
6	209	14	19	298	300	16	12	199	104	34	39
TOTAL ADT	39800	2600	3800	59000	59800	3300	2500	38600	26400	7200	9500
TOTAL H. COMM. ADT	2058	136	163	3678	3546	215	122	2134	1396	404	510
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS
 1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS
 2 = SINGLE UNIT-3 AXLE TRUCKS
 3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES
 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
 5 = TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES
 6 = BUSES AND TRUCKS WITH TRAILERS

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1990 PART 2 OF 3

FOR

T.H. 51 S.P. 6216-13 LENGTH - MILES
COUNTY Ramsey LOCATION TH 36 to Hamline Avenue

BASED ON

1990 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 12 THROUGH 22 AS
DEFINED ON ATTACHED INDEX MAP

VEHICLE # TYPE	SEGMENT NUMBER										
	12	13	14	15	16	17	18	19	20	21	22
0	3702	25890	9960	7180	3392	1790	22686	4260	3292	2302	2411
1	145	550	202	150	63	45	514	78	52	48	38
2	14	141	64	40	21	11	121	12	12	12	11
3	4	87	50	28	15	8	73	4	4	4	4
4	7	124	102	64	33	16	90	10	10	8	9
5	14	459	180	116	64	24	379	24	18	18	17
6	14	149	42	22	12	6	137	12	12	8	10
TOTAL ADT	3900	27400	10600	7600	3600	1900	24000	4400	3400	2400	2500
TOTAL H. COMM. ADT	198	1510	640	420	208	110	1314	140	108	98	89
TOTAL DHV											
DIRECTIONAL DISTRIBUTION											

* VEHICLE TYPE CODE

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 6 = BUSES AND TRUCKS WITH TRAILERS

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1990 PART 3 OF 3

FOR

T.H. 51 S.P. 6216-13 LENGTH - MILES
COUNTY Ramsey LOCATION TH 36 to Hamline Avenue

BASED ON

1990 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 23 THROUGH 31 AS
DEFINED ON ATTACHED INDEX MAP

VEHICLE # TYPE	SEGMENT NUMBER									
	23	24	25	26	27	28	29	30	31	
0	388	18640	1327	15986	5318	1660	2084	1898	19782	
1	9	456	42	372	164	54	64	60	492	
2	1	101	7	87	28	9	10	10	107	
3	-	65	2	61	6	2	2	2	65	
4	-	72	4	64	14	4	8	5	74	
5	2	349	5	339	20	7	12	9	357	
6	-	117	13	91	50	14	20	16	123	
TOTAL ADT	400	19800	1400	17000	5600	1750	2200	2000	21000	
TOTAL H. COMM. ADT	12	1160	73	1014	282	90	116	102	1218	
TOTAL DHV										
DIRECTIONAL DISTRIBUTION										

* VEHICLE TYPE CODE

- 0 = PASSENGER CARS AND 4 TIRE TRUCKS
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2 = SINGLE UNIT-3 AXLE TRUCKS
3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES
- 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES
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6 = BUSES AND TRUCKS WITH TRAILERS

BASIC DATA, METHOD AND ASSUMPTIONS

The 1990 ADT and DHV for the project were transmited in TAS 572-14 on July 8, 1968. These volumes were based on the 1985 System 14 computer traffic assignment.

The total heavy commercial volumes were determined by the System 14 computer assignment of 1985 HCADT and adjusted to 1990 HCADT.

Vehicle classification counts which have been recorded in the study area were adjusted to 1990 values by use of a vehicle type trend study. The resulting 1990 values were used to distribute the System 14 HCADT by vehicle type.